

LANGE, Jadeiga; ZAJACZKOWSKA, Jadwiga

Results of pulmonary resection in cases of pulmonary tuberculosis  
operated at the surgical department of the tuberculosis institute.  
Gruzlica 24 no.8:807-816 Aug 56.

1. Z Instytutu Gruzlicy, Dyrektor: prof. dr. J. Misiewicz.  
(TUBERCULOSIS, PULMONARY, surg.  
statist.)

CHODKOWSKA, S.; LANGE, J.

Results & prognosis in lung resection as related to bronchial lesions.  
Gruzlica 26 no.8:655-667 Aug 58.

1. Z oddzialu Patologii Kierownik: prof. dr S. Chodkowska i z Oddzialu IV Gruzilicy Plic: Kierownik: doc. dr W. Jarowzewicz Instytutu Gruzilicy Dyrektor: prof. dr J. Misiewicz. Warszawa, ul. Plocka 26.

(TUBERCULOSIS, PULMONARY, surg.

relation of progn. & results of resection to bronchial lesions (Pol))

LANGE, Jadwiga; KRAKOWKA, Pawel; ZAJACZKOWSKA, Jadwiga

Corticotherapy in cases of pulmonary hemorrhage. Gruzlica 27  
no.6:535-540 June 59.

1. Z Oddzialu IV Instytutu Gruzlicy Kierownik: doc. dr W. Jaroszewicz  
Dyrektor: prof. dr J. Misiewicz.[deceased]  
(CORTISONE, ther.) (HEMORRHAGE, ther.)  
(LUNG DISEASES, ther.) (CORTICOTROPIN, ther.)

LANGE, Jadwiga; SERAFIN, Roman

Bronchoscopy as a principal diagnostic method in cases of hemoptysis  
of obscure etiology. Gruzlica 30 no.2:125-131 '62.

1. Z Oddzialu II Miejskiego Szpitala Przeciwgruzliczego w Warszawie  
Kierownik: dr med. J. Lange Konsultant chirurg.: dr med. R. Serafin  
Dyrektor: dr med. [R. Kalinowski Deceased].

(HEMOPTYSIS diag) (BRONCHOSCOPY)

ZAJACZKOWSKA, Jadwiga; LANGE, Jadwiga; KOWALSKI, Janusz

Causes of unfavorable outcome of tuberculosis. Gruzlica 30  
no.8:707-715 '62.

1. Z Instytutu Gruzlicy Dyrektor: prof. dr med. W. Jaroszewicz  
Z Szpitala Miejskiego przy ul. Anielewicza Dyrektor: dr med.  
R. Kalinowski [deceased] Z Sanatorium Przeciwgruzliczego Kruk  
(Gostynin) Dyrektor: dr med. O. Burakowski.  
(TUBERCULOSIS) (STATISTICS)

LANGE, J.

, 547.535.1-031

460  
Delleck Cz. Lange J. Concerning the Reaction of 1,2-Epoxy-1-Phenylpropane with Methylamine.

"Reakcja 1,2-epoksy-1-fenylopropanu z metylaminą". Roczniki Chemii (PAN). No. 4, 1954, pp. 561-568, 1 fig.

An investigation was made of the reaction of 1,2-epoxy-1-phenylpropane and methylamine. When the epoxide applied was obtained from trans-1-phenylpropane-1, only two isomeric aminohcohols were found in the mixture of reaction products — namely ephedrine and isoecephdrine in the ratio of 1:9. 1,2-epoxy-1-phenylpropane was prepared in two different ways: directly — using perchloric acid as the oxidizing agent, and indirectly — by preparing a corresponding bromohydroxy compound and subsequently dehydrobrominating it in alkaline medium. In the epoxidation process, trans-1-phenylpropane-1 was used as a starting material; the compound was prepared by isomerization of the cis-trans mixture during prolonged boiling with alcoholic KOH. The epoxide compound — irrespective of the manner of preparation — yielded when treated with alcoholic solution of methylamine under slight pressure, only the two aminohcohols mentioned. Ephedrine and isoecephdrine were isolated and purified as oxalates, advantage being taken of a wide divergence in the solubility of these salts in water. It was proved that in the conditions of the

process described the epoxide linkage breaks, preferably at the phenyl radical, yielding in 90% isoecephdrine and only in 10% ephedrine. The presence of  $\psi$ -ephedrine in the reaction products was not observed, a fact confirming the relatively high degree of purity of the trans hydrocarbon applied.

LANGE, J.; BELZECKI, C.

"Ephedrine", p. 536, (PRZEMYSŁ CHEMICZNY, Vol. 10, No. 10, Oct. 1954,  
Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 5,  
May 1955, Uncl.

LANGE, JERZY

The reaction of 1,2-epoxy-1-phenylpropane and methyl amine. Czeslaw Brzezinski and Jerzy Lange (Inst. Pharm., Warsaw). Roczniki Chem. 28, 801-2 (1954) (English summary).—*trans*-1-Phenyl-1-propene (I) is obtained by catalytic dehydration of 1-phenyl-1-propanol. 1,2-Epoxy-1-phenylpropane (12 g.) is obtained from 16 g. I and 500 ml. of an Et<sub>2</sub>O soln. contg. peroxypythalic acid with .00477 active O per ml. on 24 hrs. standing; 28.5 g. of the epoxide and 0.792 g. MeNH<sub>2</sub> in 36.5 ml. EtOH are warmed at 100° for 10 hrs. in a sealed tube, cooled, and the EtOH distd. off, leaving 27.3 g. of isomeric alcohols, b<sub>1</sub> 131-134°, a mixt. of isoephedrine (90%) and ephedrine (10%).

C. P.

ASQW

POLAND / Organic Chemistry. Synthetic Organic Chemistry.

G-2

Abs Jour : RZhKhim., No 10, 1958, No 32422

Author : A. Swirskn, J. Lango.

Inst : Not given

Title : Preparation of  $\alpha$ -Ethyl-m-Nitrocinnamic Acid.

Orig Pub : Przom. chom., 1956, 12, No 5, 288-290

Abstract : The synthesis of  $m\text{-NO}_2\text{C}_6\text{H}_4\text{CH}=\text{C}(\text{C}_2\text{H}_5)\text{COOH}$  (I) according to Perkin's reaction by the condensation of *m*-nitrobenzaldehyde (II) with  $\text{C}_3\text{H}_7\text{COONa}$  (III) at 120 to 140° is described, yield 76.5 to 81%, melting point 140 to 141°. Nitrocinnamic acid is produced by the concentration of II with III and  $(\text{CF}_3\text{CO})_2\text{O}$  at 140° (yield 95%, melting point 197 to 198°), and I was produced at 95°, yield 18%. Dry HCl (0.05 mole) of methylpropylketone, the solution is shaken 24 hours, washed with water and  $m\text{-NO}_2\text{C}_6\text{H}_4\text{CH}=\text{C}(\text{C}_2\text{H}_5)\text{COCH}_3$  (IV) is produced, yield 65%, boiling point 163 to 165° under 3 mm, 180

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LANGE, J.

POLAND/Organic Chemistry. Synthetic Organic Chemistry.

G-2

Abs Jour: Ref. Zhur.-Khimiya, No II, 1958, 36257.

Author : Swirska A., Lange J.

Inst : Not given.

Title : Derivatives of Furfural for Medicinal Purposes.  
III. Synthesis of N-(-Nitro-2-Furfuryleden)-3-Amino-

oxazolidon-2.

Orig Pub: Przem. Chem., 1957, 13, No 7, 400-401.

Abstract: A method of synthesizing N-(5-nitro-2-furfurylidene)-3-aminooxazolidon-2 (I) has been developed. Ethylene oxide is passed through a 37% water solution containing 1.77 mols of  $N_2H_4 \cdot H_2O$  until 1 mol of ethylene oxide is absorbed (while cooled to 15-25°). After keeping this solution at approximately 20°C for 24 hours,  $NH_2$

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POLAND/Organic Chemistry. Synthetic Organic Chemistry.

G-2

Abs Jour: Ref. Zhur.-Khimiya, No II, 1958, 36257.

NHCH<sub>2</sub>CH<sub>2</sub>OH (II) and diethanolhydrazine (III) are separated by distillation. Yield of II and III is 71.8% and 16.2%, respectively. A mixture of 0.1 mols of II, 0.1 mols (C<sub>2</sub>H<sub>5</sub>O) CO, 20cc of absolute alcohol, and of a solution of 0.04 mols Na in 20 cc alcohol is boiled for 2 hours followed by cooling to 50° and by addition of 60cc water, 5cc concentrated H<sub>2</sub>SO<sub>4</sub>, 0.05 mols 5-nitro-furfural-diacetate, and 10cc alcohol. It is boiled again for 2 hours, cooled to 0°, resulting in the formation of I with 85% yield. For part II refer to Ref. Zhur.-Khimiya, 1956, 12911.

Card : 2/2

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LANGE, J., REZETKA, C., BUGZKOWSKI, Z.  
APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R000928520010-4"

Stereochemical relationship in the synthesis of ephedrine and its isomers. Bul Ac Pol chim. 6 no.2:93-96 '58. (EEAI 9:6)

1. Department of Organic Technology II, Technical University,  
Warsaw. Institute of Organic Synthesis, Polish Academy of Sciences.  
Communicated by T.Urbanski.

(Ephedrine) (Isomers) (Stereochemistry)

Country	:	Germany	E-2
Category	:	Analytical Chemistry - Analysis of Inorganic Substances	
Abs. Jour.	:	Ref Zhur-Khimiya, No 6, 1959	19073
Author	:	Lange, J.	
Institut.	:	Use of Urotropin in Quantitative Analysis	
Orig. Pub.	:	Chem. Techn., 1958, 10, No 7, 420-421	

Abstract : To obtain precipitates of the hydroxides of 3- and 4-valent metals, free from contamination with 2-valent cations, it is recommended to effect precipitation of hydroxides by heating with a solution of urotropin (I). The NH<sub>3</sub> that is liberated on hydrolysis of I, slowly and evenly raises the pH of the solution to 6.0-6.5 which promotes the formation of pure precipitates of hydroxides. To obviate the formation of precipitates that are difficult to filter, a boiling of the solution should be avoided. To 100-150 ml of acid solution being analyzed, containing Fe as Fe<sup>3+</sup>, dilute NH<sub>4</sub>OH is added to bring the pH to 3-4 (which should not

Card: 1/2

E-8

Country	:	Germany	E-2
Category	:	Analytical Chemistry - Analysis of Inorganic Substances	
Abs. Jour.	:	Ref Zhur-Khimya, No 6, 1959	19073
Author	:		
Institut.	:		
Title	:		
Orig Pub.	:		
<p>Abstract : cause separation of hydroxide), followed by 2-3 g NH<sub>4</sub>Cl and 20 ml 10% solution of I previously neutralized, to methyl red, with dilute HCl, and the mixture is heated to a boil. As soon as the solution reaches boiling temperature it is transferred to a water- or a sand-bath and is maintained for 45 minutes at a temperature close to the boiling point. The hydroxide precipitate is filtered off while hot and is washed with hot water. The method is applicable in analyses of special grades of glass, of ferro-manganese slag, and of welding powders. -- N. Chudinova.</p>			

Card: 2/2

BRZOZOWSKI, Tadeusz; LANGE, Jerzy

Nitrofuran drugs. Polski tygod. lek. 14 no.30:1416-1420 27 July  
59.

1. (Z Zakladu Syntezy I Instytutu Farmaceutycznego w Warszawie;  
kierownik: doc. dr Halina Dahlig i z Zakladu Technologii Organicznej  
II Politechniki Warszawskiej: kierownik: prof. dr Tadeusz Urbanski).  
(NITROFURANS)

LANGE, J.; URBANSKI, T.

Preparation of derivatives of phenylsuccinic acid. I. Preparation of p-halo-phenylsuccinic acids. p. 197

ROCZNIKI CHEMII. (Polska Akademia Nauk) Warszawa, Poland, Vol. 33, no. 1, 1959.

Monthly List of East European Accessions (EMAI) LC, Vol. 8, no. 9, September 1959.  
Uncl.

LANGE, J.

7

4 Reactions of aliphatic epoxy compounds. II. Preparation of pseudoephedrine from *cis*-propenylbenzene. Czeslaw Belzecki and Jerzy Lange (Politechnika, Warsaw). Roczniki Chem. 33, 703-8 (1959) (English summary); cf. C.A. 49, 6871i.—*cis*-1,2-Epoxy-1-phenylpropane treated with methylamine yielded a mixt. of racemic amines, from which *dl*- $\gamma$ -ephedrine was isolated in 50% yield. The mixt. revealed no *dl*-ephedrine. The opening of the oxirane ring in *cis*, as well as in *trans*-epoxide was a stereospecific reaction, only the directions of opening were reversed; *cis*-epoxide opened preferably at the Me radical. III. Stereochemical relations in the synthesis of ephedrine and its isomers. Jerzy Lange, Czeslaw Belzecki, and Zbigniew Buczkowski. Ibid 711-24.—*dl*-Ephedrine (I) or *dl*- $\gamma$ -ephedrine (II) was treated with MeI in MeOH to yield trimethylammonium iodide of (III) of I, m. 228°, yield 71%, and (IV) of II, m. 190°, 74%, resp. Hofmann degradation of III and IV gave *threo*- (V), b.p. 90-2°,  $n_D^{20}$  1.5205,  $d_4^{20}$  1.0077,  $M.R$  40.01 (calcd.), 40.51, and *erythro*-*dl*-1,2-epoxy-1-phenylpropane (VI), b.p. 85-7°,  $n_D^{20}$  1.5222,  $d_4^{20}$  1.0135,  $M.R$  40.01 (calcd.),  $M.R$  40.40, resp. VI was identical with that prep'd. by direct epoxidation of *cis*-propenylbenzene (VII), whereas V was somewhat different. It was proved that the VII used for prep'n. of V contained 80% *trans*- and 20% *cis*-VII. The epoxidation of VII proceeded as a *cis*-addn. The fission of the oxirane ring in 1,2-epoxy-1-phenylpropane (VIII) by MeNH<sub>2</sub> was accompanied by Walden inversion; no side reactions without inversion were observed. Also the prep'n. of VIII from both III and IV was connected with the inversion. All the reactions were perfectly selective stereochem. The oxirane ring opened on both sides of the O in the reaction between MeNH<sub>2</sub> and V or VI. It may be explained by both the S<sub>N</sub>2 and S<sub>N</sub>1 mechanisms. The course of aminolysis of *trans*- and *cis*-epoxide could not be explained in this way.

5

28J(NB)

4E2c(j)

BELZECKI, C.; LANGE, J.

Preparation of diastereoisomeric 1-phenyl-2-bromopropanols. Bul chim  
PAN 9 no.6:415-417 '61.

I. Institute of Organic Synthesis, Polish Academy of Sciences.  
Presented by T. Urbanski.

BELZECKI, Czeslaw; LANGE, Jerzy

Reactions of aliphatic epoxy compounds. V. Obtaining of  
transpropenylbenzene. Rocznik chemii 35 no.6:1641-1644  
'61.

1. Institute of Organic Synthesis, Polish Academy of  
Sciences, Warszawa. Department of Organic Technology II,  
~~Institute of Technology~~, Warszawa.

LANGE, Jerzy; BEIZECKI, Czeslaw; NOWAK, Anna; GOMOLINSKA, Emilia

Reactions of aliphatic epoxy compounds. VI. Diastereoisomeric  
1-phenyl-2-bromopropanols. Rocznik chemii 35 no.6:1645-1649  
'61.

I. Department of Organic Technology II, Institute of  
Technology, Warsaw, and Institute of Organic Synthesis,  
Polish Academy of Sciences, Warsaw.

GUSTOWSKI, Wladzimierz; LANGE, Jerzy

On the reaction of benzylidenemalonic and furfurylidene malonic esters with hydrazine and its derivatives. Rocznik chemii 36 no.1:163 '62.

1. Department of Organic Technology II, Institute of Technology,  
Warsaw.

LANGE, Jerzy; URBANSKI, Tadeusz; VENULET, Jan

Preparation and biological activity of the derivatives of  
phenylsuccinic acid. III. Rocznik chemii 36 no.11:1631-1638 '62.

J. Department of Organic Technology 11, Institute of Technology,  
Warsaw.

LANGE, Jerzy; URBANSKI, Tadeusz; VENULET, Jan

Preparation and biological activity of the derivatives of  
phenylsuccinic acid. Pts.2-3. Rocznik chemii 36 no.11:1625-1638 '62.

1. Department of Organic Technology II, Institute of Technology,  
Warsaw.

L 40199-66 EWP(e) WH

ACC NR: AP6030066

SOURCE CODE: GE/0005/65/000/004/0428/0430

33  
B

AUTHOR: Lange, Joachim

ORG: Scientific-Technical Center at Amalgamated People-Owned Enterprises Household and Packaging Glass, Weisswasser (Wissenschaftlich-Technisches Zentrum der VVB Haushalts- und Verpackungsglas)TITLE: Contribution to the chemical analysis of glass melts 15

SOURCE: Silikattechnik, no. 4, 1965, 428-430

TOPIC TAGS: chemical composition, glass, gravimetric analysis, calcium carbonate, chemistry technique

ABSTRACT: Methods for determining the water-soluble content, gravimetric acid-soluble content, gravimetric acid-insoluble content, incandescent loss, calcium carbonate, titrimetric water-soluble carbonate content, and titrimetric water- + acid-soluble carbonate content were reviewed with special reference to the analysis of glass melts. It was noted that the particular nature of the sample requires modifications in the techniques (involving both sampling and analysis) to obtain error-free, reliable results. These modifications, and their contribution to the reproducibility and accuracy of the test results, were discussed. Orig. art. has: 1 table. [JPRS: 33,540]

SUB CODE: 16, 11 / SUBM DATE: none / ORIG REF: 010 / SOV REF: 001

OTH REF: 004

Card 1/1 10

UDC: 666.1.022.1:545.2

778 0681

S/081/62/000/022/016/088  
B144/B101

AUTHORS: V. Bełżecki, Czesław, Lange, Jerzy;  
VI. Lange, Jerzy, Bełżecki, Czesław, Nowak, Anna,  
Gomolinska, Emilia

TITLE: Reaction of aliphatic epoxy compounds. V. Preparation of  
transpropenyl benzene. VI. Diastereomeric 1-phenyl-2-  
bromopropanols

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 22, 1962, 177-178,  
abstract 22Zh99 (Roczn. chem., v. 35, no. 6, 1961,  
1641-1644; 1645-1649 [Pol.; summaries in Russ., and Eng.])

TEXT: V. By bringing LiAlH<sub>4</sub> into reaction with C<sub>6</sub>H<sub>5</sub>CH=CHCH<sub>2</sub>Br (I), pure  
trans-C<sub>6</sub>H<sub>5</sub>CH=CHCH<sub>3</sub> (II) was synthetized. Experiments to obtain II by  
other means were unsuccessful: when an attempt is made to debromate  
erythro-C<sub>6</sub>H<sub>5</sub>CHBrCHBrCH<sub>3</sub> (III) with Zn dust, dimerization takes place and  
1-ethyl-2-methyl-3-phenyl indan (IV) forms; the outcome from an analogous  
action of Mg is an equilibrium mixture of II and its cis isomer (IIa cis  
Card 1/4

Reaction of aliphatic epoxy ...

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B144/B101

isomer); the same mixture results from an attempt to decarboxylize cis  $C_6H_5CH=C(CH_3)COOH$  (V) in quinoline in the presence of  $Cu(CrO_2)_2$  catalyst. 0.01 mole III in 150 ml alcohol is added after 0.5 hr to 10 g Zn dust suspended in 50 ml boiling alcohol, the mixture is boiled for 1 hr and cooled, and 65% IV (b.p.  $182-183^{\circ}C/18$  mm Hg,  $n_D^{20}$  1.5218) is separated from the filtrate. To 0.1 mole III in 200 ml absolute ether 0.15 mole Mg chips are added within 1 hr at  $\sim 20^{\circ}C$ ; when the vigorous reaction is completed the mixture is hydrolyzed with ice water and HCl; from the ether layer 82.2% of a mixture is separated which contains II and IIa in a ratio of  $\sim 85 : 15$ , b.p.  $64-67^{\circ}C/20$  mm Hg,  $n_D^{20}$  1.5492. 0.1 mole V (m.p.  $90-91^{\circ}C$ ) is decarboxylized according to a known method (RZhKhim, 1955, no. 23, 26244) using the catalyst  $Cu(CrO_2)_2$ ; 55% of a mixture consisting of II and IIa is obtained, b.p.  $61-65^{\circ}C/17$  mm Hg,  $n_D^{20}$  1.5495. 0.1 mole I (b.p.  $80-85^{\circ}C/0.3$  mm Hg, m.p.  $27-28^{\circ}C$ ) in 100 ml absolute ether is added dropwise to 0.3 mole  $LiAlH_4$  in 200 ml ether and the solvent is kept boiling; it is boiled for 2 hrs, then 7.1 g II, b.p.

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S/081/62/000/022/016/088  
B144/B101

Reaction of aliphatic epoxy ...

72-74°C/20 mm Hg, 176.5-177.5°C,  $n_D^{20}$  1.5508, is separated.

VI. When N-bromosuccinimide (VI) is brought into reaction with II and IIa the relevant isomeric  $C_6H_5CH_2CH_2CHBrCH_2OH$  are obtained (VIIa erythro isomer; VIIb threo isomer). NaOH converts VIIb to erythro-1,2-epoxy-1-phenyl propane (VIII), and VIIa to the threo isomer of VIII (VIIIa). By reduction with LiAlH<sub>4</sub>, VIIa as well as VIIb are converted to  $C_6H_5CHOHC_2H_5$  (IX). 0.19 mole VI is added in small portions at ~20°C to 0.125 mole IIa in 100 ml water, the mixture is stirred for 1.5 hrs, after which 61% VIIb, b.p. 80-90°C/0.1 mm Hg,  $n_D^{25}$  1.5618, is extracted using ether. Analogously, from II 67% VIIa, b.p. 118-120°C/1.8 mm Hg,  $n_D^{25}$  1.5622,  $n_D^{20}$  1.5644, is obtained. 0.03 mole NaOH in 30 ml water is added to 0.02 mole VIIb, the mixture is stirred for 30 min at 40-50°C, with ether 71% VIII, b.p. 77-79°C/10 mm Hg,  $n_D^{20}$  1.5218, is extracted. Analogously, from VIIa 68% VIIIa, b.p. 90-92°C/14 mm Hg,  $n_D^{20}$  1.5205, is synthetized. 0.02 mole VIIb in 50 ml absolute ether is added boiling drop by drop to 0.022 mole LiAlH<sub>4</sub> in 100 ml ether, boiled for 2 hrs, hydrolyzed with 5%-HCl, and

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Reaction of aliphatic epoxy ...

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B144/B101

from the ether layer are separated: 81% IX, b.p. 97-102° C/10 mm Hg,  
 $n_D^{22}$  1.5269;  $\alpha$ -naphthyl urethane, m.p. 96-97° C. From VIIa 76% IX is  
obtained. Communication 4 see RZhKhim, 1962, 15Zh387. [Abstracter's  
note: Complete translation.]

Card 4/4

LANGE, K.

Scientific conference devoted to the problem of mechanisms of  
corticovisceral interactions. Fiziol. zhur. 47 no.3:409-411 Mr  
'61. (MIRA 14:5)

(CEREBRAL CORTEX)

LANGE, K.A.; POTOTSKIY, M.N., kand.biol.nauk; BYKOV, K.M., akademik,  
otv.red.; PEVZNER, R.S., tekhn.red.

[The I.P.Pavlov Institute of Physiology] Institut fiziologii  
imeni I.P.Pavlova. Leningrad, 1957. 50 p. (MIRA 12:9)

1. Akademiya nauk SSSR.  
(PHYSIOLOGY, EXPERIMENTAL)

LANGE, K.A.

Conferences and symposia on current problems of the physiology of  
the nervous system. Vest. AN SSSR 33 no.9:92-94 S '63.  
(MIRA 16:9)  
(Nervous system)

LANGE, K.A.

Joint research of physiologists and clinicians. *Vest. AF SSSR*  
31 no. 2:113-114 F '61.  
(CEREBRAL CORTEX) (VISCERA—INNERVATION)  
(NFM 14:2)

Leningrad)

Miscussions on the principal physiological problems. Zhurn. zhur. 49 no.9 1129-1132 6 figs. (1984) 7-11.

LANGE, K.A.

Scientific conference devoted to the problems of the physiology and pathology of digestion and absorption. Fiziol. zhur. 48 no.2:232-235 F '62. (MIRA 15:2)

1. From the I.P.Pavlov Institute of Physiology, Leningrad.  
(DIGESTION CONGRESSES)

LANGE, Kirill Aleksandrovich; CHERNIGOVSKIY, V.N., akademik, otv.  
red.; GOL'DINSKAYA, M.I., red.izd-va; SOROKINA, V.L.,  
tekhn. red.

[I.P.Pavlov Institute of Physiology of the Academy of Sciences of the U.S.S.R., Leningrad - Pavlovo] Institut fizioligii im. I.P.Pavlova AN SSSR, g.Leningrad - s.Pavlovo.  
Moskva, Izd-vo AN SSSR, 1961. 69 p. (MIRA 16:12)  
(Physiology--Research)

CHERNIGOVSKIY, V.M. akademik; LANGE, K.A., nauchnyy sotrudnik (Leningrad)

Tomorrow of the science of physiology. Nauka i zhyttia 11 no. 4:44-  
47 Ap '61. (MIRA 14:5)

1. Direktor Instituta fiziologii imeni I.P. Pavlova AN SSSR (for  
Chernigovskiy).

(Physiological research)

CHERNIGOVSKIY, V.N., akademik; LANGE, K.A.

Study of human and animal physiology; from the experience gained in  
coordination work by the Scientific Council. Vest. AN SSSR 33  
no.7:33-39 Jl '63. (MIRA 16:8)  
(Physiology)

LANGE, K.A., red. vyp.; YATSUK, L.A., red. vyp.

[Reports of the Symposium "Effect of Psychotropic Preparations on Higher Nervous Activity."] Doklady Simpoziuma "Vliyanie psikhotropnykh preparatov na vysshuiu nervnuiu deiatel'nost'," Leningrad, Izd-vo AN SSSR, 1963. 172 p.  
(MIRA 16:10)

1. Simpozium "Vliyaniye psikhotropnykh preparatov na vyschuyu nervnuyu deyatel'nost'" Leningrad, 1963.  
(NERVOUS SYSTEM) (PSYCHOTROPIC DRUGS)

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CIA-RDP86-00513R000928520010-4

LANGE, K.A.

Human and animal physiology; session of the Joint Scientific Council.  
Vest. AN SSSR 35 no.5:106-108 My '65. (MIRA 18.6)

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CIA-RDP86-00513R000928520010-4"

LANGE, K.O.

General assembly of the Department of Geological and Geographical Sciences of the Academy of Sciences of the U.S.S.R. Izv.  
AN SSSR. Ser. geog. no. 3:151-154 My-Je '60.

(Geological research) (Geographical research) (MIR 13:6)

LANGE, K.O.

Evolution of the shores of Rybinsk Reservoir. Trudy Inst. geog.  
79:34-68 '60. (MIRA 13:8)  
(Rybinsk Reservoir--Coast changes)

LANGE, K.O.

Soviet geologists at the 21st session of the International  
Geological Congress in Copenhagen. Izv. AN SSSR. Ser. geog.no.2:109-  
110 Mr-Ab '61. (MIRA 14:3)  
(Geology-Congresses)

LANGE, K.O.

General conference of the Geology and Geography Department of the  
Academy of Sciences of the U.S.S.R. Izv.AN S.SSR.Ser.geog. no.3:  
137-138 My-Je '61. (MIRA 14:5)  
(Geology) (Geography)

LANGE, K.O.

Some conclusions from observations on shore transformations in  
Tsimlyansk Reservoir. Trudy Okean.kom. 8:217-220 '61.  
(MIRA 14:5)

1. Institut geografii AN SSSR.  
(Tsimlyansk Reservoir—Coast changes)

LANGE, K.O.

Elections of new full and corresponding members of the Academy  
of Sciences of the U.S.S.R. Izv. AN SSSR. Ser. geog. no. 5;184 S-0  
'62. (MIRA 15:10)

(Academy of Sciences of the U.S.S.R.)  
(Geographers)

LANGE, K. P.

Fruit Culture - Volga Valley

Cultivation of stalks in the central Volga region. Sad 1 eg, No. 4, 1952.

Monthly List of Russian Accessions, Library of Congress, June 1952. Unclassified.

LANGE, K. P.

Lange, K. P.

"The agricultural engineering of the growing of apple stock under the conditions of the central Volga in connection with increasing the yield and quality of grafted seedlings." Min Higher Education USSR. Fruit and Vegetable Inst imeni I. V. Michurin. Michurinsk, 1956. (Dissertation for the degree of Candidate in Agricultural Sciences)

Knizhnaya letopis  
No. 15, 1956. Moscow

LANGE, K.P.

Some morphologic characteristics of vegetable plants and their  
use in describing and determining species. Uch. zap. Kuib. gos.  
ped. inst. no.35:83-105 '61. (MIRA 15:9)  
(Botany--Morphology) (Vegetables)

KARNAUKHOV, Ivan Prokof'yevich, dots.; IVANKIN, Vasiliy Kirillovich, prof.; VENESOV, Konstantin Nikolayevich, dots.; BONDARENKO, Nikolay Vasil'yevich, dots.; NIKISHIN, Konstantin Georgiyevich, dots.; LANGE, K.P., kand. sel'khoz. nauk, dots., retsentent; MERKULOV, M.P., kand. sel'khoz. nauk, dots., retsentent; NOVIKOV, A.A., kand. sel'khoz. nauk, dots., retsentent; NOSUL'KO, I.M., st. prepod., retsentent; SAFRONOVA, O.G., st. prepod., retsentent; YEFIMOV, A.L., red.

[Fundamentals of agriculture] Osnovy sel'skogo khoziaistva.

3. perer. izd. Moskva, Prosveshchenie, 1965. 646 p.

(MIRA 18:3)

1. Kuybyshevskiy pedagogicheskiy institut (for Lange, Merkulov).
2. Orlovskiy pedagogicheskiy institut (for Novikov, Nosul'ko, Safronova).

LANGE, L.V.

Category : USSR/Solid State Physics - Systems

E-4

Abs Jour : Ref Zhur - Fizika, No 1, 1957, № 1158

Author : Samsonov, G.V., Neshpor, V.S., Lange, L.V.

Inst : Moscow Institute for Nonferrous Metals and Gold

Title : Laws of Formation of Binary Alloys of Titanium

Orig Pub : Metallovedeniye i obrabotka metallov, 1956, No 1, 30-39

Abstract : When Ti interacts with metals that have a similar electron shell structure and a small difference in atomic diameters (not more than 18%), the additive (Zr) may have an unlimited solubility in the  $\alpha$  and  $\beta$  modification of Ti, or else continuous series of solid solutions are formed with  $\beta$  titanium with a limited solubility in  $\alpha$  Ti (Mo, V, Nb, Ta). Elements having a different electron-shell character and a different atomic diameter interact with titanium to form solid solutions with a limited solubility in the  $\beta$  and  $\alpha$  titanium and with diagrams of state with eutectic or eutectoid transformations (Mn, Fe, Cr, Si, Ni, Cu) or with peritectic or peritectoid transformations (C, N, Al). When Ti is smelted with elements of the transition groups, one observes an expansion in the region of the solid solutions with  $\alpha$ -Ti.

Card : 1/1

LANGE, L. V.

5

✓ Review of the Binary Systems of Titanium and Suggestions  
for Their Classification. G. V. Samsonov, V. S. Neshpor, and  
L. V. Lange (Metallovedenie i Obrabotka Metallov, 1958,  
(1), 01-39). (In Russian). Reviews the equilibrium diagrams  
published for binary systems of Ti with Cu, Ag, Au, Be, Mg,  
B, Al, C, Si, Ge, Sn, Pb, Zr, N, P, V, Nb, Ta, O, S, Se, Te,  
Cr, Mo, W, U, H, Mn, Fe, Co, and Ni; and the suggestions  
that have been made for classifying them. 32 ref.

G. V. E. T.

May  
Closed

au  
PM

IVANCHENKO, Georgiy Yevtikhievich, prof., doktor tekhn. nauk;  
MARKUS, Georgiy Oskarovich; SAVCHENKO, Vladimir Leont'yevich;  
LEVIDOV, Yuriy Samuilovich; LANGE, Mark Vasil'yevich; PESIN,  
Naum Yakovlevich; BOZHANOV, S.M.; MIRSKAYA, V.V., red.izd-va;  
LAVRENT'YEVA, L.G., tekhn. red.

[Automatic control of hoists] Avtomatizirovannoe upravlenie  
mashinoi. Pod red. G.E.Ivanchenko. Moskva, Gosgortekhizdat,  
(MIRA 16:5)  
1963. 116 p.

(Karaganda Basin--Mine hoisting)  
(Automatic control)

UNGEFUG, V.G.; LANGE, M.V.; SULIMOV, K.G.; ZEYFERT, V.P.; ORLOV, V.F.

Reproduction of the trajectory of one cutter of planetary cutter disks of mining machinery in setting up coal cutting tests in a mine. Nauch. trudy KNIUI no.13:118-130 '64

Experience with electric strain gauges in studying coal cutting in mines. Ibid.:130-135

LANGE, Nandor

Measurement of blood pressure in dogs by means of a carotid tensiometer. Kiserletes Orvostudomany. 12 no.1:95-97 F '60.

1. I. Laszlo gimn. biologiai laboratorium, Budapest.  
(BLOOD PRESSURE)  
(MANOMETRY)

LANGE, N.N.

Recollections about the life and activity of professor Petr  
Grigor'evich Melikishvili. Trudy Tbil. GU no.62:xv-xxiv '57.  
(MIRA 11:8)  
(Melikishvili, Petr Grigor'evich 1850-1927)

LANGE, N.N.

Helmholtz as a psychologist. Vop.psikh. 9 no.2:144-150 Mr-Ap  
'63. (MIRA 16:4)  
(Hermann, 1821-1894)

LANGE, N. O.

PA 78T40

USSR/Medicine - Fish  
Medicine - Intestines

Jun 1948

"Growth of Loach Intestines," N. O. Lange, Inst of  
Evolutionary Morph imeni A. N. Severtsov, Acad Sci  
USSR, 4 pp

"Dok Ak Nauk SSSR" Vol LX, No 8

Studies resulted in obtaining data permitting deter-  
mination of growth and development of the intestines  
of loaches on the basis of their feeding habits.  
Submitted by Acad I. I. Shmal'gauzen 13 Apr 1948.

78T40

LANGE, N. O.

"The Intestinal Structure of Some Types of Ground Gudgeon in Connection with the Differences in Their Foods," Dokl. AN SSSR, 60, No.9, 1948

LANGE, N.O.

The culter *Erythroculter erythropterus* (Basilewsky) as an object of acclimatization. Trudy Inst.morf.zhiv. no.5:82-85 '51.  
(MLRA 6:9)  
(Carp)

LANGE, N.O.

Keeded culter *Hemiculter leucisculus* (Basilewsky) as an object of acclimatization. Trudy Inst.morf.zhiv. no.5:97-116 '51. (MIR 6:9)  
(Carp)

VASNETSOV, V.V.; YEREMEYeva, Ye.F.; LANGE, N.O.

Role of the young of waste fishes in the development of the young of  
commercial semi-migratory fishes. Trudy Inst.morf.zhiv. no.10:219-243 '53.  
(MIRA 6:11)  
(Fishes)

USSR / General Biology. Individual Development. Embryonic B Development.

Abs Jour : Ref Zhur - Biologiya, No 4, 1959, No. 14369

Author : Vasnetsov, V. V.; Yeremeyeva, Ye.; Lange, N. O.; Dimitriyeva, Ye. N.

Inst : Institute of Animal Morphology, Academy of Sciences USSR

Title : The Development Stages of Industrial, Semi-directed Fish of the Volga and Don, the Golden Shiner, Carp, Vobla, Roach Rutilus, Rutilus Heckoli and Pike Perch

Orig Pub : Tr. in-ta morfol. zhivotnykh. AN SSSR, 1957,  
vyp 15, 7-76

Abstract : The development stages of Abramis bramo (L.), Cyprinus carpio, Rutilus rutilus caspicus (Iakovcov) (L.), Rutilus rutilus heckoli

Card 1/4

USSR / General Biology. Individual Development. Embryonic B Development.

Abs Jour : Ref Zhur - Biologiya, No 4, 1959, No. 14369

(Nordmann) and *Soc. cipoceera luciopecra* (L.), caught in the delta of the Volga and Don, were investigated. The development of the golden shiner, vobla and roach are very similar, the carp is characterized by spawning in portions and shedding the eggs at higher temperature in thoroughly warm, shallow water. All these species are characterized by 9 stages of approximately equal duration. In the pike perch stage A is divided into  $A_1$  and  $A_2$ , there are altogether 10 stages and, even though some of these stages may be compared with the corresponding stages in the carp, the general course of development deviates considerably. In the Volga,

Card 2/4

20

USSR / General Biology. Individual Development. Embryonic B Development.

Abs Jour : Ref Zhur - Biologiya, No 4, 1959, No. 14369

the bottom constitutes the principal spawning ground and breeding place where the young keep themselves. In the Don spawning and breeding takes place in the flood-lands at the mouth of its tributaries. At early stages ecological differences are not apparent except for the fact that in the Don these stages are somewhat longer than in the Volga. However, the characteristics of the flood determine the lot of the young. In the Volga delta, if a sharp or early recession occurs or if development is retarded, the young remain at the bottom until the exit becomes barred. In the flood-lands of the Don the water-meadows remain dry if there is little water, and if there is

Card 3/4

LANGE, N.O.

Developmental stages of the Caspian roach (*Rutilus rutilus caspicus* (Jakowlew)) and the roach of the Kuban and Don Rivers (*Rutilus rutilus heckelii* (Nordmann)). Trudy Inst. morf.zhil. no.25:47-98 '60. (MIHA 13:7)  
(Roach (Fish)) (Fishes--Physiology)

LANGE, N.O.

Stages in the development of roach under different  
ecological conditions. Trudy Inst. morf. zhiv. no.28:5-40  
'60. (MIR13:6)  
(Glubokoye, Lake (Moscow Province))--Roach)  
(Rybinsk Reservoir--Roach)  
(Fishes--Anatomy)

LANGE, N.O.

Development of the intestines of the roach Rutilus rutilus (L.).  
Vop. ikht. 2 no.2:336-349 '62. (MIRA 15:11)

1. Institut morfologii zhivotnykh imeni A.N.Seventsova AN SSSR,  
Moskva.

(Roach (Fish)) (Intestines)

LANGE, N.O.

Scientific conference on theoretical problems of the fish culture.  
Izv. AN SSSR. Ser. biol. no.4:631-632 Jl-Ag '64. (MIRA 17:10)

GORYAYEV, M.I., akademik; LISHTVANOVA, L.N., kand.khimich.nauk; LANGE, N.R.

Quantitative determination of anabasine by gas-liquid chromatography.  
Vest. AN Kazakh. SSR 21 no.7:28-31 Jl '65.

(MIRA 18:8)

1. Akademiya nauk Kazakhskoy SSR (for Goryayev).

LANGE, Oskar; BOYARSKIY, A.Ya., red.; ZAYTSEV, N.V., red.

[Introduction to econometrics] Vvedenie v ekonometriku.  
Pod obshchey red. i s predisl. A.IA.Boiarskogo. Moskva,  
Izd-vo "Progress," 1964. 294 p. (MIRA 17:5)

LANGE (C. 11)

★ Czechowski, T.; Kisz, M.; Iwiński, T.; Lange, O.; Sadowski, W.; i. Zasępa, R. Tablice statystyczne. [Statistical tables.] Edited by Wiesław Sadowski. Państwowe Wydawnictwo Naukowe, Warsaw, 1957. 158 pp. 32 zł.

This collection contains the usual "classical" tables and, in addition, a number of useful tabulations of recent origin. Among the former are tables of the normal, bi-

nomial, Poisson, Chi-square,  $t$ ,  $z$ , and  $F$  distributions; a page of tables dealing with the sample correlation coefficient; random numbers; assorted auxiliary tables such as binomial coefficients, squares, cubes, roots, logarithms, etc. Among the newer tables are those dealing with distribution-free techniques such as run-tests, sign-test, Kolmogorov's statistic  $D_n$ , Smirnov's  $D_{m,n}$ , and two entirely new tables of "golden" and "iron" numbers due to H. Steinhaus. The tables are selected and edited with great care, and the explanatory text is excellent.

Z. W. Birnbaum (Seattle, Wash.).

LANGE, Oskar

Development of the economic sciences and their tasks in the construction of a socialist economy. Review Pol Academy 9 no.4: 1-9 O-D '64.

LANGE, O.I., assistant

Conditions for the existence of a crank in three-dimensional  
four-bar and crankgear mechanisms. Izv. vys. ucheb. zav.;  
mashinostr. no.9:11-15 '65. (MIRA 18:11)

LANGE, OSCAR RICHARD

Pisma Ekonomiczne I Społeczne, 1930-1960. Warszawa,  
Panstwowe Wyd.wo Naukow, 1961.  
468 p. Diagrs., Graphs, Tables.

"APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R000928520010-4

LANGE, Oskar

The role of science in the development of socialist society.  
Review Pol Academy 7 no.4:33-43 O-D '62.

APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R000928520010-4"

LANGE, Oskar, prof.

Role of sciences in the development of a socialist state. Nauka  
polska 10 no.5:33-42 S-0 '68.

1. Członek rzeczywisty Polskiej Akademii Nauk, Warszawa.

LANGE, O.K., prof., red.; KRASNAYA, A.K., tekhn. red.

[Studies in the hydrogeology and engineering geology of Moscow and its environs] Ocherki gidrogeologii i inzhenernoi geologii Moskvy i ee okrestnostei. Moskva, Izd-vo Mosk. ob-va ispytatelei prirody, 1947. 163 p. (Estestvenno-istoricheskoe izuchenie Moskvy i Moskovskoi oblasti, no.3) (MIRA 14:10)  
(Moscow--Engineering geology) (Moscow region--Water, Underground)

"APPROVED FOR RELEASE: 06/20/2000

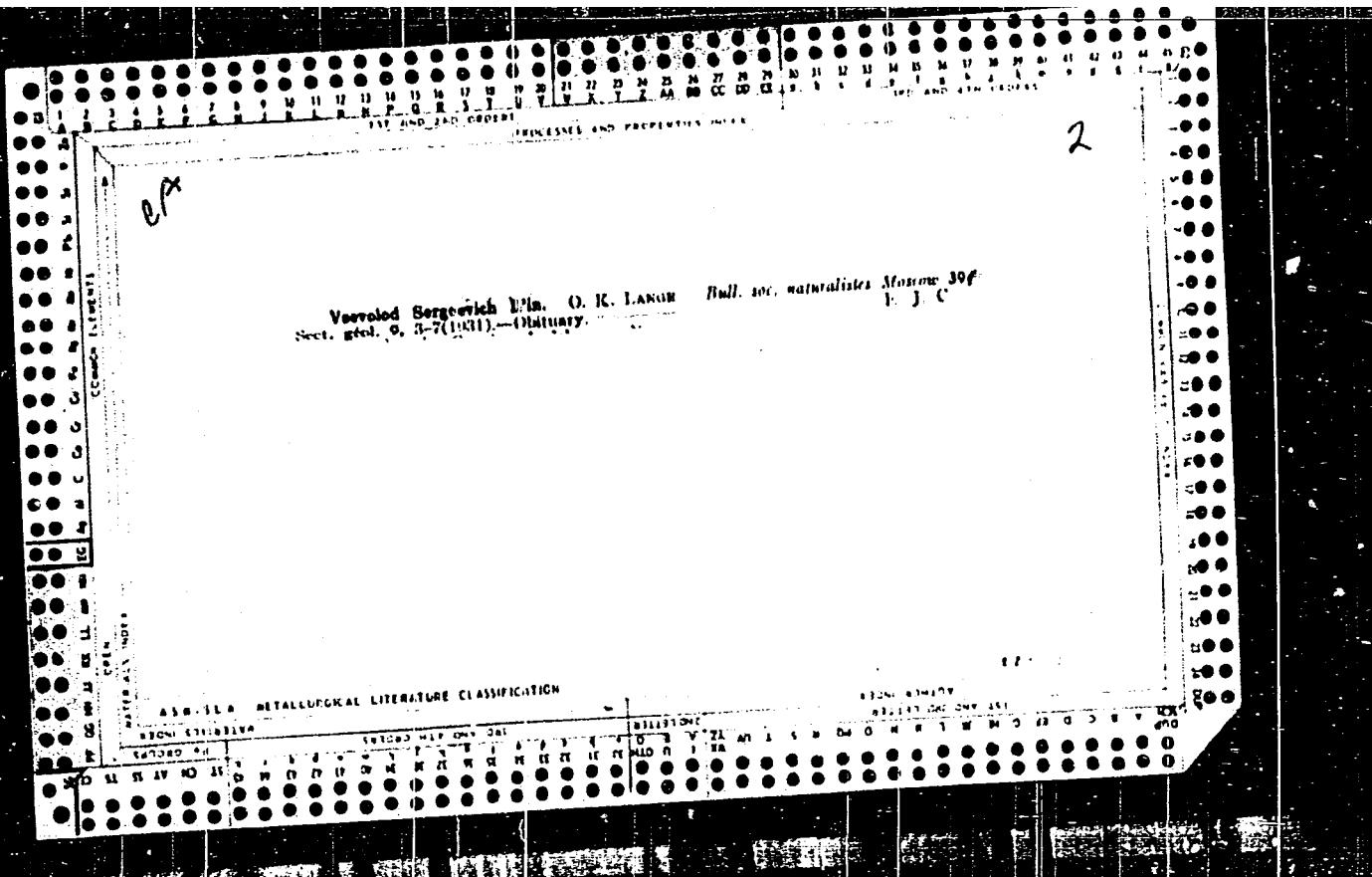
CIA-RDP86-00513R000928520010-4

LANGE, O. K.

"Short Course in General Hydrogeology ("Kratkiy kurs gidrogeologii")",  
First published in 1931, edition "Novye voprosy razvedki i izuchenija zemnykh voln".  
"Principles of Hydrogeology (Geology of Hydrogeology)."

APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R000928520010-4"



PAVLOV, Aleksey Petrovich, 1854-1929, akademik; LANGE, O.K., redaktor.

[Geological sketch of the Moscow environs; aid for excursions and for regional studies] Geologicheskii ocherk okrestnostei Moskvy; posobie dlia ekskursii i dlia kraevedov. 5. izd. Pod red. i s dopolneniami O.K. Lange. Moskva, Izd-vo Moskovskogo ob-va ispytatelei prirody, 1946. 86 p. (MLRA 6:8)  
(Moscow Province--Geology) (Geology--Moscow Province)

"APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R000928520010-4

LANGE, G. K., Dr., Geologico-Mineralogical Sciences.

"Subsurface Waters of Central Asia" appeared in June 1948. (Hydrogeological Laboratory imeni F. P. Saverenskiy, Department of Geologicp-Geographicl Sciences, Persidium, Acad. Sci., USSR.)

APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R000928520010-4"

LANGE, O.K.

The ground waters of Russian platform and their regional survey. Trudy  
Lab. Gidrogeol. Problem im. F.P.Savarenskogo, Akad. Nauk S.S.R. 3, 123-  
30 '48. (MLRA 3:2)  
(Ca 47 no.20:10773 '53)

A paper found in the symposium "Works of the Laboratory of Hydrogeological  
Problems ineni F. P. Savarenskiy," Vol III (1948), Moscow-Leningrad.

LANGE, O.K.

Lange, O.K. "Geomorphology and ground water", Trudy Laboratorii gidrogeol. problem i...  
akad. Savarenogo, Vol. II, 1949, p. 72-80.

SO: U-3042, 11 March 53, (Letopis 'nykh Statey, No. 9, 1949)

LANGE, O. K.

35895

Nekotoryye Rezul'taty Gidrogeologicheskikh Issle-Dovaniy V Uzbekistane.  
Trudy In-ta Geologii (Akad. Nauk Uzbek. Ssr), Vyp. 3, 1949, G. 7-10.

SO: Letopis' Zhurnal'nykh Statey, Vol. 39, Moskva, 1949

1. LANGE, O. K.
2. USSR (600)
4. Water, Underground
7. Hydrogeological terminology. Trudy Lab. gidrogeol. probl. 1949.
9. Monthly List of Russian Accessions, Library of Congress, March 1953. Unclassified.

LANGE, O. K.

Underground waters serving the Socialist economy. PODZEMNYYE VODY  
NA SLUZHBE SOTSIALISTICHESKOGO KHOZYAISTVA. Moscow. Publ. of the  
Moscow Soc. of Nature Research. 1950. pp. 91. Illus., diagrs.,  
tables.

LANGE, Chstavii Knostantinovich

Introduction into geology; text-book for students at the state universities  
Moskva, Gos. izd-vo geol. lit-ry, 1951. 319 p. maps. (52-66736)

QE26.L27

LANGE, O. K.

Geography & Geology

Articles on geomorphology, problems of continent formations, and applied geology. FAVLOV, Aleksaey Petrovich. Vid obshchey red. O. K. Lange. Moskva, 1951.

Monthly List of Russian Accessions, Library of Congress, June 1952. Unclassified.

1. LANGE, O. K.
2. USSR (600)
4. Main Turkmen Canal
7. Main Turkmen Canal and the problems of geological investigations in connection with the transformation of nature. Biul MOIP Otd geol No. 5 1952.
9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

LANGE, O. K.

Geologists

Vasiliy Aleksandrovich Zhukov. O. P. Lange. Biul. MOIP. Otd. geol. 27 no. 2, 1952.

MONTHLY LIST OF RUSSIAN ACCESSIONS. Library of Congress. November 1952. UNCLASSIFIED.

GORIYEV, D.I.; LANGE, O.K., professor, redaktor.

[M.V.Lomonosov as the founder of geology] M.V.Lomonosov -- osnovo-  
polozhnik geologicheskoi nauki. [Moskva] Izd-vo Moskovskogo Univer-  
siteta, 1953. 151 p. (MLRA 7:5)  
(Lomonosov, Mikhail Vasil'evich, 1711-1765)

LANGE, O.K.

Landslides and their control (author's summary). Biul. MOIP. Otd. geol. 28  
no. 1:93-94 '53. (MLRA 6:11)  
(Landslides)

LANGE, O. K.

The Committee on Stalin Prizes (of the Council of Ministers USSR) in the fields of science and inventions announces that the following scientific works, popular scientific books, and textbooks have been submitted for competition for Stalin Prizes for the years 1952 and 1953. (Sovetskaya Kultura, Moscow, No. 22-40, 20 Feb - 3 Apr 1954)

<u>Name</u>	<u>Title of Work</u>	<u>Nominated by</u>
Lange, O. K.	"Introduction to Geology"	Moscow State University imeni M. V. Lomonosov

SO: W-30604, 7 July 1954

LANGE, O.K.

GORDEYEV, D.I., doktor geologo-mineralogicheskikh nauk, redaktor;  
SLAVYANOV, N.N., redaktor; LANGE, O.K., professor, doktor  
geologo-mineralogicheskikh nauk, zasluzhennyy deyatel' nauki  
Uzbekskoy SSSR, redaktor; KEMERESKIY, G.N., professor, doktor  
geologo-mineralogicheskikh nauk, redaktor; PRIKLONSKIY, V.A.,  
doktor geologo-mineralogicheskikh nauk, redaktor; MAKARENKO,  
F.A., kandidat geologo-mineralogicheskikh nauk, redaktor;  
PISKUNOV, V.M., redaktor; POLYAKOVA, T.V., tekhnicheskiy  
redaktor.

Main stages of history of Russian hydrogeology. Trudy Lab.  
gidrogeol.probl. 7:3-382 '54. (MIRA 8:2)

1. Chlen-korrespondent Akademii nauk SSSR (for Slavyanov).  
(Water, Uderground)(Geology)

GORDEYEV, D. I., professor, doktor geologo-mineralogicheskikh nauk;  
SLAVYANOV, N. N. redaktor; LANGE, O. K., professor, redaktor;  
KAMENSKIY, G. N., professor, doktor geologo-mineral'nykh nauk,  
redaktor; PRIKLONSKIY, V. A., professor, doktor geologo-mineral'  
nykh nauk, redaktor; MAKARENKO, F. A., doktor geologo-mineral'  
nykh nauk, redaktor; SPRYGINA, L. I., redaktor; GRAKOVA, Ye. D.,  
tekhnicheskiy redaktor.

Life and work of Academician F.P.Savarenskii; his role in the  
development of Soviet hydrogeology and engineering geology.  
Trudy Lab. gidrogeol. probl. 11:3-213 '54. (MLRA 8:6)  
(Savarenskii, Fedor Petrovich, 1881-1946)

GARMONOV, I.V.; LANGE, O.K., otvetstvennyy redaktor; MARKOV, V.Ya.,  
redaktor izdatel'stva; MAKUNI, Ye.V., tekhnicheskiy redaktor

[Maps of ground water of the steppe and forest-steppe regions of  
the European part of the U.S.S.R.] Karty gruntovykh vod stepnykh  
i lesostepnykh raionov Evropeiskoi chasti SSSR. Moskva, Izd-vo  
Akademii nauk SSSR, 1955. 3 maps. [---Explanatory notebook to  
accompany the maps] Poiasnitel'naia zapiska k kartam. 1955. 18 p.  
(Water, Underground--Maps) (MIRA 9:9)

LANGE, O. K.

"Some Considerations in the Mapping of Artesian Basins"

A paper presented on 19 May, The Activity of the Moscow Society of Naturalists, Byulleten' Moskovskogo Obshchestva Ispytateley Prirody Vol LX.

No 6, Moscow, Nov-Dec 1955, pp 80-90, Geology Section  
Source: U-2935, 29 Nov 1956

LANGE, O.K.

Dmitrii Vladimirovich Sokolov; on the fifth anniversary of his death.  
Trudy Lab.gidrogeol.probl.12:246-252 '55. (MIRA 9:6)  
(Sokolov, Dmitrii Vladimirovich, 1884-1950)

LANGE, O.K., professor

Hydrogeologists. Nauka i zhizn' 22 no.5:12-13 My '55  
(MLRA 8:6)

1. Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova  
(Hydrology)(Geology)

LANGE, O.K.

Some theoretical problems of hydrogeology. Biul.MOIP.Otd.geol. 30  
no.2:3-12 Mr-Ap '55. (MIRA 8:8)  
(Water, Underground)

*Lange, G.A.*

GARMONOV, I.V.; LANGE, O.K., otvetstvennyy red.; MARKOV, V.Ya., red.izd-va;  
MAKUNI, Ye.V., tekhnicheskiy red.

[Explanatory notes on ground water maps for steppe and forest-steppe  
regions of the European U.S.S.R.] Poiasnitel'naja zapiska k kartam  
gruntovykh vod stepnykh i lesostepnykh raionov Evropeiskoi chasti  
SSSR. Moskva, Izd-vo Akad.nauk SSSR, 1956. 18 p. (MIRA 11:3)  
(Water, Underground--Maps)